## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/003097

A.	CLASSIFICATION	OF	<b>SUBJECT</b>	MATTER
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## IPC7 F16K 31/122

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16K 31

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KR.JP: classes as above

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 5,413,308 A (The Horton Company) 9 MAY 1995 See the whole document	1, 2	
А	US 5,333,643 A (South Bend Controls, Inc.) 2 AUGUST 1994 See the whole document	1, 2	
Á	US 4,387,878 A (Eaton Corporation) 14 JUNE 1983 See the whole document	1, 2	

		Further documents are	listed in the cor	ntinuation of Box C.
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See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- 'E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other
- "P" document published prior to the international filing date but later than the priority date claimed
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

08 MARCH 2005 (08.03.2005)

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Name and mailing address of the ISA/KR



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